



User Manual

Model: SCT001+SCR001



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SPECIFICATIONS

<u>camera</u>		
Item	Unit	Specifications
Image Sensor	Inch	1/4 JX-H62
Effective Pixels	pixels	1280x720
View Angle	Degree (°)	45
Transmission Frequency	MHz	2400~2483
Modulation Mode		GFSK
Unobstructed Effective Range	m	50
white LED light range	m	2
Power Supply	VDC	5V
Charge Time	Hours	2
Working Time (full charge)	Hours	2.5(LED OFF) / 2(LED ON)
Operation Temperature	°C/°F	-10~+50/ +14~+122
Dimensions	mm	60x40x40
Weight	g	65

<u>monitor</u>		
Item	Unit	Specification
Screen Size	inch	5" TFT LCD
Display Resolution	dot	1280x720
Unobstructed Receive	m	50
ZOOM		3 levels
Modulation Mode	—	GFSK
Power Supply	VDC	5V
Charge Time	Hours	3
Working Time (full charge)	Hours	3
Memory	—	T-Flash Card
Max.Memory Size	GB	64GB
Picture Format	—	JPEG
Video Format	—	MP4
Picture/Video Resolution	pixels	720P
Operation Temperature	°C/°F	-10~+50/
Dimensions	mm	150X20X100
Weight	g	255



SurveyCam Carry Case Contains:

- 1: Monitor
- 2: Antenna for Monitor
- 3: Multi-Functional TF Card Reader
- 4: Camera
- 5: Plug Adaptor
- 6: In Car Adaptor
- 7: Monitor Handle
- 8: 2 x USB Charging Cables

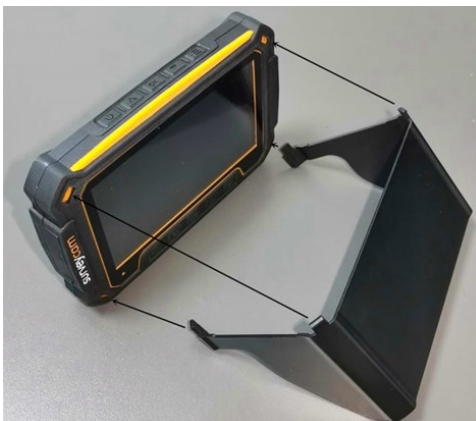
NOT SHOWN:

- 1 x 8GB TF card
- Sunshade for Monitor.
- Camera Bracket
- 1 x wide base black bracket (monitor)
- 1 x Horse shoe clip (camera)

CAMERA



SUNSHADE



To lock sunshade in place.

Insert top right corner and ease in bottom right corner.

Repeat with top left corner and bottom left corner.

MONITOR



MONITOR SCREEN DISPLAY



CHARGING & BATTERIES

CHARGING BATTERIES:

The integrated battery on both the Camera and Monitor, will come partially charged. We recommend fully charging both items before first use. No damage will occur to either unit, if used prior to being fully charged.

Charge the battery of both, Camera and Monitor, using the included USB cable provided. Batteries are integrated within each system, and can not be removed. Use the charging cables, along with the wall / in-Car charger supplied.

Camera Charging Port: is concealed under the protective rubber flap on the base of the camera.

Monitor Charging Port: is concealed under the protective rubber flap on the side of the monitor.

Insert the cable into the charging port. During charging, the light indicator next to the charging port will illuminate blue. Once complete the blue light will go out.

CAMERA BATTERY LIFE:

Camera Battery life is displayed on both the 1) Camera and on the 2) Monitor:

Camera: Features a central light which displays the colour correlating to the battery life available.

- Green: Approx 67-100% Charge
- Yellow: Approx 34%-66% Charge
- Red: Approx 0 – 33%

Monitor: Features a battery symbol in the top left hand of the screen, reflecting the camera charge level.

Camera sleep Mode: To preserve battery whilst in use, the camera can be put into sleep mode from the monitor.

Press and hold the "Lights on/ off button". The battery indication light on the camera will go out and the monitor will display the "no connection" icons. To exit sleep mode, press and hold, the same button on the monitor. The camera battery indication light will come back on and the monitor will display a live image.

MONITOR BATTERY LIFE:

Monitor Battery life is displayed in the top right-hand corner of the monitor screen.

NOTE: CHARGING THE BATTERIES:

Ensure after charging that the protective rubber flaps are secured back in place for weather protection.

TIP: For the quickest charge, ensure both Camera and Monitor are switched off prior to charging.

NOTE: When charging the camera with a computer, be sure that the computer is connected to a power source. If the camera / monitor status lights do not turn on to indicate that the battery is charging, use a different USB port.

WARNING: Using a wall charger other than a SURVEY CAM Charger can damage the camera battery and could result in fire or leakage. Only use chargers marked: Output 5V 1A. If you do not know the voltage and current of your charger, use the included USB cable to charge the camera from your computer.

WARNING: When using Survey Camera be aware of your surroundings to avoid injury to yourself or others. Abide by all local laws when using the system including all privacy laws, which may restrict recording in certain areas.

SD CARD & MONITOR ATTACHMENTS

MONITOR: MICRO SD CARDS

The MicroSD Card housing, is situated underneath the protective rubber flap, on the logo side of the monitor. The MicroSD card, should be inserted with the label facing towards the back of the monitor. Simply push the card into the opening. Once correctly secured the card will click and lock in place. To remove the card, simply push and unlock (click) and the card will eject.



SD CARD DISPLAY:

The SD card is displayed on the top right corner of the Monitor screen.

NOTICE: Please use extreme care when handling memory cards to avoid liquids, dust, and debris. Ensure the camera is switched off before inserting or removing the card. Check manufacturer guidelines regarding use in acceptable temperature ranges.

We recommend using brand name memory cards that meet these requirements: • microSD, microSDHC™, or microSDXC™ (sold separately) • Capacity up to 64GB • Minimum of Class 10 or UHS-I rating.

MONITOR: ATTACHING ANTENNA:

The Antenna attaches the back of the monitor. Simply screw the antenna clockwise, onto the screw head, until securely fixed in place. To position the antenna in an upright position, simply swivel the upper section, in a clockwise direction. Once in place, bend the antenna forward at the elbow joint.

To remove, twist the antenna in a counter clockwise motion.



MONITOR: ATTACHING HANDLE:

The handle screws in the centre of the monitor, on the bottom fixture. Place the monitor face down, on a flat surface during this process.

- Insert the screw head of the handle into the port and rotate clockwise until securely locked in place.
- To secure the monitor in a vertical position, push the lever at the top of the handle, upwards until the unit is locked in place.

HANDLE: EXTENDING HEIGHT:

There are six telescopic sections concealed within the handle, extending from a collapsed height of 14cm, through to a fully extended height of 65cm.

- To extend the height of the handle, twist the base section in a counter clockwise motion, unlocking the telescopic sections.
- Once extended, lock the selfie stick at the handle height by twisting the handle in a clockwise.

CAMERA & MONITOR ATTACHMENTS

FOCUSING CAMERA LENS

The camera lens can be manually adjusted to suit the working distance.

We only recommend adjusting focus for close up viewing.

For gutter cleaning, to dial in your focus for the correct distance, we recommend the following.

- Attach the camera to the angled tool holder.
- Place the tip of the end tool on the ground. It's best to rest over some moss to have something to focus on. This is the approximate working distance to adjust the lens to.
- With both the Camera and Monitor switched ON, rotate the end of the camera lens until the picture sharpens.



ATTACHING SURVEY CAM TO POLE

MONITOR CLIPS TO SURVEY POLE:

To attach the monitor to the pole. Insert the wide based black bracket into the central screw fixture the rear of the monitor.



ATTACHING CAMERA TO HIGH REACH SYSTEM

The camera can be attached to SurveyCam telescopic pole, via a camera bracket. It can also be attached to a vacuum pole system, via the grey bracket supplied.



POWER & PAIRING

POWERING ON / OFF:

CAMERA:

ON: Press the Power button, on the base of the camera, ensuring that the protective rubber strip is locked in place. The white LED lights, on either side of the camera lens, will flash once, and the central light above the camera lens, will illuminate. The colour shown, will depend on the level of battery charge, ranging from Green, to Orange and then Red. (See battery section for more information).

OFF: Press and hold, the power button on the base, until the white LEDs situated on either side of the camera lens, start to flash. The white LED lights, will flash three times, and the central light above the lens, will go out.

MONITOR:

ON: Press the Power button on the top of the unit. A red light will illuminate in the bottom left corner of the monitor. The monitor will immediately display the Survey Cam logo, and then display:

- If Camera is **ON**: Live stream of images
- If Camera is **OFF**: Display a white network icon with a red cross to denote – no connection.

OFF: Press and hold, the power button for up to three seconds. The screen will display a red power icon, before turning off. The red power light, in the bottom left hand of the screen, will go out.

SIGNAL/ PAIRING:

Both camera and monitor, have been paired prior to first use, as part of the quality control process. When both items are powered on, the monitor will immediately display the view from the camera.

PAIRING:

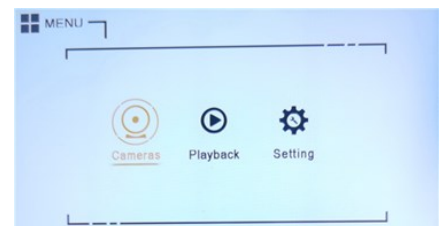
For units that have not been paired, or to couple a new camera and /or a new monitor together.

Camera: Press the power button twice, in quick succession. The white LED lights will flash once, to indicate that the camera, is set to pairing mode with the monitor.

Monitor: Press the menu icon, on the top right, of the monitor control panel. To navigate through the menu, use the up / down arrows and to select an item, press the ok button.

Pair Camera & Monitor:

- Home Menu: Select Camera, then click ok
- Camera Menu: Select pairing Camera, then click ok.
- Camera Menu- Pairing Camera: select appropriate camera and click ok. Once successfully paired the camera icon on screen will display green.



To delete Camera:

- Home Menu: Select Camera, then click ok
- Camera Menu: Select Delete Camera, then click ok.
- Camera Menu -Delete Camera: select the appropriate camera and click ok. Once successfully uncoupled the camera will display on screen.

PHOTOS, VIDEOS & VIEWING.

CAPTURING PHOTOS/ VIDEOS:

VIDEO: 1280x 720HD

To start recording video footage, press the video icon button, at on bottom of the monitor screen. The monitor will display REC, in the top left corner, during video recording. To stop recording, press the camera icon button and the REC message, will be removed from the screen, to indicate the end of filming. The camera will capture both video and sound* footage.

**Sound is not available through SurveyCam playback, but can be experienced on mobile or desktop playback via video footage transfer.*

PHOTOS: 1MP

To capture photos, press the camera icon button, at the bottom of the monitor screen. The monitor will briefly display a green "Capture" icon, on the top right hand corner of the screen, to indicate a photo has been taken.

LIGHTING: Range 2metres

For additional lighting for the area being inspected, the camera features two white LED Lights, effective up to 2 metres. To activate the camera lights, press the light icon button on the bottom left of the monitor screen. To turn the lights off, press the button again.

ZOOM: 3 x Zoom

For closer inspection, SurveyCam features 3 x Zoom functionality. To zoom in, press the zoom icon until the desired range is achieved. To zoom back out, continue to press the button until the original size is displayed on the screen.

IMAGE/ FOOTAGE PLAYBACK:

MONITOR:

Video and images can be viewed immediately on the SurveyCam. Simply press the folder icon, on the bottom right hand of the monitor. A folder icon will appear on the screen (with MP4 / JPG).

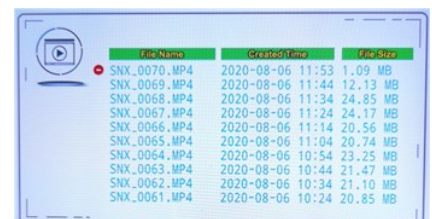
On the control panel, on the top of the monitor, press the OK icon, and use the up and down arrows on either side, to navigate through the image and videos files that are displayed on the screen.

- Files are displayed by 1) File name 2) Created Time and 3) File Size, with videos denoted as MP4 files and photos as JPEG.
- Use the up / down arrows to move the camera icon next to the image / video that is required for playback and the press OK TO VIEW.
- To Exit playback mode, press the menu bottom on the top right hand on the monitor control panel, press the menu button.

EDITING FILES:

To delete files from the monitor. Select the folder icon, then click ok.

Use the up / down arrows on the top control panel to navigate the required file.



File Name	Created Time	File Size
SNX_0070.MP4	2020-08-06 11:53	1.09 MB
SNX_0069.MP4	2020-08-06 11:44	12.13 MB
SNX_0068.MP4	2020-08-06 11:34	24.85 MB
SNX_0067.MP4	2020-08-06 11:24	24.17 MB
SNX_0066.MP4	2020-08-06 11:14	20.56 MB
SNX_0065.MP4	2020-08-06 11:04	20.74 MB
SNX_0064.MP4	2020-08-06 10:54	23.25 MB
SNX_0063.MP4	2020-08-06 10:44	21.47 MB
SNX_0062.MP4	2020-08-06 10:34	21.10 MB
SNX_0061.MP4	2020-08-06 10:24	20.85 MB

To delete, press the power on button, and the camera symbol next to the file will change to a red symbol. Press Ok and the file will be deleted.

IMAGE PLAYBACK VIA DEVICE

IMAGE PLAYBACK: VIA DESKTOP, TABLET & MOBILE:

To view or share images captured via SurveyCam on another device such as a desktop, tablet or phone, you will need to use the multi-functional TF card reader.

NB: For best viewing experience, images and video should be viewed at 100% size. For desktop playback, minimise your on screen window to a similar size to Surveycam monitor.

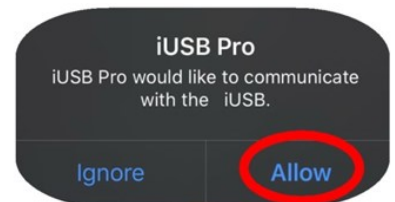


For optimum image and SOUND playback, we recommend viewing video files with VLC Media player <https://www.videolan.org/>

This programme is FREE to download for IOS, Android and googleplay.

Remove the TF card, from the side panel of the monitor.

- The card reader features a dual TF reader, (top section) and USB port (bottom section).
- Insert the TF card into the top section, of the USB port. Ensure that the card is facing upwards, with the edge lip exposed for easy removal.
- Insert the appropriate connection, into the port of your chosen display device.



IPHONE:

Compatible with iPhones operating IOS8.0 and above, to access SurveyCam imagery, you will need to instal the FREE iUSB App from the Apple store. Once installed, the App will automatically launch each time the card reader is inserted.

Insert lightning port into base of iPhone.

- The following message will appear on screen “IUSB PRO – iUSB Pro would like to communicate with the iUSB.” When prompted allow access.
- The screen will display the DCIM folder. Select the folder and proceed to the next screen displaying a folder (100SONIX).
- Select the folder 100SONIX and then file, rename, view, edit and sort images and videos as required.

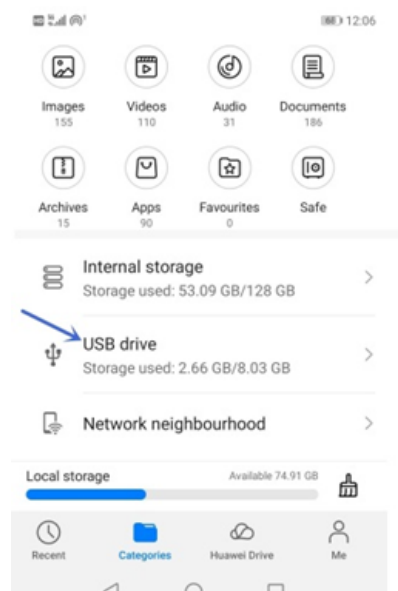
To copy or email images.

- Select “Action” from the options displayed at the bottom on the iPhone screen.
- You will be given the option to email, or add images to camera roll.

ANDROID:

Ensure when connecting to Android devices, that the OTG function has been enabled to allow the TF card to be accessed.

Please confirm the compatibility of your Android device. SurveyCam is not compatible with older Andriod devices.



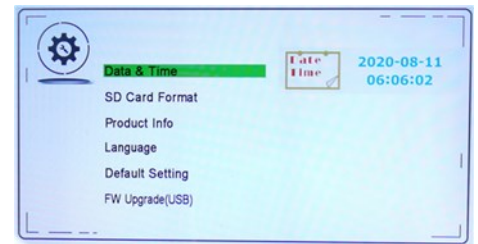
1) GETTING STARTED

SETTING DATE /TIME & LANGUAGE:

To access, press the Menu button on the top of the monitor, and use the arrows to navigate to “setting”

Once setting is selected the date is displayed on screen.

- To edit use “Up”, “Down” & OK buttons.



SD Card Format

Facility to format the SD Card.

Product Info

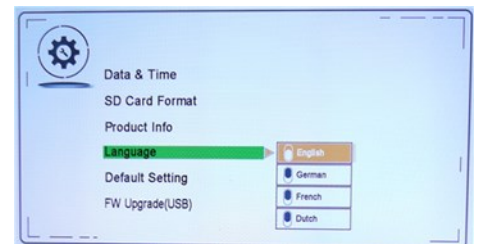
Displays the software version of currently used by both the camera and monitor

Languages

menu support 8 languages:

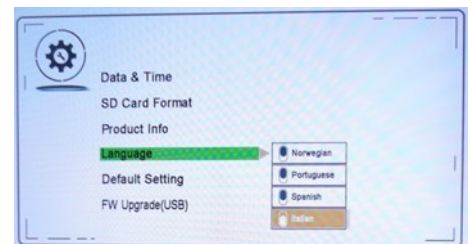
English/German/French/Dutch/Nowegian/Portuguese/Spanish/Italian

- To edit use “Up”, “Down” & OK buttons.



Default Setting

To return to factory setting, select this option and click ok.



FW Upgrade

To enable software updates as and when required.



User Manual

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